

## National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) SDG MF2C06 Case 43795 Contract EPW09039 Region 6 DDTID 184077 SOW ISM01.3

## Data Review Reports

Blanks

Blanks	ICP_AES
ND03	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.
	PBW49
	Calcium PBW49
Blanks	ICP_AES
ND04	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated at CRQLs.
	PBW49
	Calcium PBW49
Blanks	ICP_AES
ND05	The following samples have analyte results greater than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	LCS49, MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C28, MF2C38, MF2C38D, MF2C38L, MF2C38S, MF2C44, MF2C82
	Calcium LCS49, MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C28, MF2C38, MF2C38D, MF2C38L, MF2C38S, MF2C44, MF2C82
Blanks	ICP_AES
ND06	The following samples have analyte results greater than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C28, MF2C38, MF2C38D, MF2C38L, MF2C38S, MF2C44, MF2C82, LCS49
	Sodium MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C28, MF2C38, MF2C38D, MF2C38L, MF2C38S, MF2C44, MF2C82
	Calcium LCS49, MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C28, MF2C38, MF2C38D, MF2C38L, MF2C38S, MF2C44, MF2C82
	Potassium LCS49
Blanks	ICP_AES
NE05	The following samples have analyte results greater than CRQLs. The associated preparation blank analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	LCS49, MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C28, MF2C38, MF2C38D, MF2C38L, MF2C38S, MF2C44, MF2C82
	Calcium LCS49, MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C28, MF2C38, MF2C38D, MF2C38L, MF2C38S, MF2C44, MF2C82

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Blanks

Blanks	ICP_MS
ND03	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.
	MF2C22, MF2C82, PBW48, MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C16, MF2C24, MF2C28, MF2C38, MF2C44
	Barium MF2C22, MF2C82, PBW48
	Cobalt MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C82, MF2C28, PBW48, MF2C38
	Zinc MF2C38L, MF2C28
	Beryllium MF2C38D, MF2C38L, MF2C44, MF2C06, MF2C38
	Antimony PBW48
	Cadmium MF2C38D, MF2C38L, MF2C44, MF2C06, MF2C08, MF2C22, PBW48, MF2C38
	Lead MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C44, PBW48, MF2C38
Blanks	ICP_MS
ND04	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated at CRQLs.
	MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C16, MF2C44, MF2C24, MF2C28, MF2C82, MF2C38, MF2C22, PBW48
	Vanadium MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C16, MF2C44, MF2C24, MF2C28, MF2C82, MF2C38
	Selenium MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C44, MF2C28, MF2C82, PBW48, MF2C38
	Arsenic MF2C38L, MF2C22, MF2C24, PBW48
	Barium MF2C22, MF2C82, PBW48
	Cobalt MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C82, MF2C28, PBW48, MF2C38
	Beryllium MF2C38D, MF2C38L, MF2C44, MF2C06, MF2C38
	Antimony PBW48
	Cadmium MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C22, MF2C44, PBW48, MF2C38
	Copper MF2C38D, MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C82, MF2C28, MF2C38
	Lead MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C44, PBW48, MF2C38
Blanks	ICP_MS
ND05	The following samples have analyte results greater than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	MF2C38S, LCS48, MF2C44, MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C16, MF2C24, MF2C28, MF2C38
	Cobalt MF2C38S, LCS48, MF2C44

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Blanks

Blanks	ICP_MS
	Barium MF2C38D , MF2C38L , MF2C38S , MF2C44 , LCS48 , MF2C06 , MF2C08 , MF2C16 , MF2C24 , MF2C28 , MF2C38
	Beryllium MF2C38S , LCS48
	Zinc MF2C38D , MF2C38S , LCS48 , MF2C06 , MF2C08 , MF2C44 , MF2C38
	Antimony MF2C38S , LCS48
	Thallium MF2C38S , LCS48
	Cadmium MF2C38S , LCS48
	Silver MF2C38S , LCS48
	Lead MF2C38S , LCS48
Blanks	ICP_MS
ND06	The following samples have analyte results greater than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	LCS48, MF2C38S, MF2C16, MF2C22, MF2C24, MF2C82, MF2C38D, MF2C38L, MF2C44, MF2C06, MF2C08, MF2C28, MF2C38
	Vanadium LCS48
	Selenium MF2C38S , LCS48 , MF2C16 , MF2C22 , MF2C24 , MF2C82
	Arsenic MF2C38D , MF2C38L , MF2C38S , MF2C44 , LCS48 , MF2C06 , MF2C08 , MF2C16 , MF2C22 , MF2C24 , MF2C82 , MF2C28 , MF2C38
	Cobalt MF2C38L , MF2C38S , LCS48 , MF2C16 , MF2C22 , MF2C24 , MF2C44 , MF2C82
	Barium MF2C38D , MF2C38L , MF2C38S , MF2C44 , LCS48 , MF2C06 , MF2C08 , MF2C16 , MF2C22 , MF2C24 , MF2C82 , MF2C28 , MF2C38
	Beryllium MF2C38S , LCS48
	Antimony MF2C38S , LCS48
	Thallium MF2C38S , LCS48
	Cadmium MF2C38S , LCS48 , MF2C22
	Silver MF2C38S , LCS48
	Lead MF2C38S , LCS48
Blanks	ICP_MS
NE04	The following samples have analyte results greater than or equal to MDLs but less than or equal to CRQLs. The associated preparation blank analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.
	MF2C38, MF2C38D, MF2C06, MF2C08, MF2C16, MF2C22, MF2C44, MF2C24, MF2C28, MF2C82
	Selenium MF2C38 , MF2C38D , MF2C06 , MF2C08 , MF2C16 , MF2C22 , MF2C44 , MF2C24 , MF2C28 , MF2C82
	Arsenic MF2C22 , MF2C24

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### Data Review Reports

Blanks

Blanks	ICP_MS
	Barium MF2C22 , MF2C82
	Cobalt MF2C38D , MF2C06 , MF2C08 , MF2C16 , MF2C22 , MF2C24 , MF2C28 , MF2C82 , MF2C38
	Cadmium MF2C38D , MF2C06 , MF2C08 , MF2C22 , MF2C44 , MF2C38
	Lead MF2C38D , MF2C06 , MF2C08 , MF2C44 , MF2C38
Blanks	ICP_MS
NE05	The following samples have analyte results greater than CRQLs. The associated preparation blank analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	MF2C38S, LCS48, MF2C38D, MF2C06, MF2C08, MF2C16, MF2C44, MF2C28, MF2C82, MF2C38, MF2C38L, MF2C24
	Selenium MF2C38S , LCS48
	Arsenic MF2C38D , MF2C38S , LCS48 , MF2C06 , MF2C08 , MF2C16 , MF2C44 , MF2C28 , MF2C82 , MF2C38
	Cobalt MF2C38S , LCS48 , MF2C44
	Barium MF2C38D , MF2C38L , MF2C38S , LCS48 , MF2C06 , MF2C08 , MF2C16 , MF2C44 , MF2C24 , MF2C28 , MF2C38
	Antimony MF2C38S , LCS48
	Cadmium MF2C38S , LCS48
	Lead MF2C38S , LCS48

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### *Data Review Reports*

Detection Limit

Detection Limit	ICP_AES
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	PBW49, MF2C06, MF2C38L
	Calcium PBW49
	Potassium MF2C06 , MF2C38L
	Magnesium MF2C38L

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### Data Review Reports

Detection Limit

Detection Limit	ICP_MS
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	MF2C38, MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C16, MF2C44, MF2C24, MF2C82, MF2C28, MF2C22, PBW48
	Vanadium MF2C38, MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C16, MF2C44, MF2C24, MF2C82, MF2C28
	Selenium MF2C38, MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C16, MF2C22, MF2C44, MF2C24, MF2C28, MF2C82, PBW48
	Arsenic MF2C38L, MF2C22, MF2C24, PBW48
	Chromium MF2C38L, MF2C06, MF2C44
	Barium MF2C22, MF2C82, PBW48
	Cobalt MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C28, MF2C82, MF2C38, PBW48
	Zinc MF2C38L, MF2C28
	Nickel MF2C38L, MF2C16, MF2C24, MF2C82
	Beryllium MF2C38D, MF2C38L, MF2C06, MF2C44, MF2C38
	Antimony PBW48
	Cadmium MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C22, MF2C44, MF2C38, PBW48
	Copper MF2C38D, MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C28, MF2C82, MF2C38
	Lead MF2C38D, MF2C38L, MF2C06, MF2C08, MF2C44, MF2C38, PBW48

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### *Data Review Reports*

Holding Times/Preservation

Holding Times/Preservation	Hg
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C28, MF2C38, MF2C38D, MF2C38S, MF2C44, MF2C82

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### *Data Review Reports*

Holding Times/Preservation

Holding Times/Preservation	ICP_AES
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C28, MF2C38, MF2C38D, MF2C38L, MF2C38S, MF2C44, MF2C82



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### *Data Review Reports*

Holding Times/Preservation

Holding Times/Preservation	ICP_MS
NHT01	The following preserved samples are improperly maintained at temperatures outside the range of 4+/-2 C. Detected analytes with results greater than or equal to MDLs are qualified J-. Use professional judgment to qualify the nondetected analytes.
	MF2C38D, MF2C38L, MF2C38S, MF2C44, MF2C06, MF2C08, MF2C16, MF2C22, MF2C24, MF2C82, MF2C28, MF2C38